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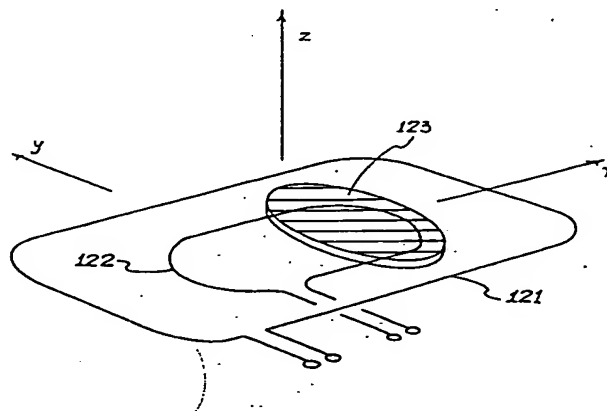
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⑤④ **Position and speed sensors.**

⑤⑦ In a sensor having a drive winding (121) for establishing a forward field, an electrically conductive screen (123) is displaceable relative to a sense winding (122). In the presence of the drive field, eddy currents are generated in the screen to establish a counter-field opposing the forward field, so that the sense winding is shaded by the screen to a varying extent during relative displacement of screen and sense winding and the voltage induced in the sense winding is accordingly correspondingly varied. Application of a high frequency input to the drive winding (121) results in a modulated output from the sense winding (122) which may be demodulated to provide a signal indicative of screen position relative to sense winding. The position signal may be further processed to provide a speed signal. The sensor may assume a multiplicity of linear or planar, rotational and axial or solenoidal configurations.





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EUROPEAN SEARCH REPORT

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EP 85 11 2999

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X	US-A-4 401 986 (G. TRENKLER et al.) * Column 2, lines 62-64; column 3, line 39 - column 6, line 8 *	1-3	G 01 D 5/243 G 01 D 5/22 G 01 D 5/20
A	* Figures 1,4; column 5, lines 15-17 * ---	6,8,10	
X	GB-A-2 012 431 (J.E. HAYTER) * Page 1, line 52 - page 2, line 24 *	1,4	
A	* Page 1, lines 65-71 * ---	6,10	
X	US-A-4 170 754 (J.J. SCHMITZ et al.) * column 3, lines 30-49 *	1	
A	* Figures 8,11 * ---	5,7	
X	GB-A-2 054 160 (R. BOSCH GmbH) * Figure 1 *	1	
A	* Figure 4 * -----	9	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			G 01 D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 12-04-1988	Examiner LUT K.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	